

1/17

FIG. 1

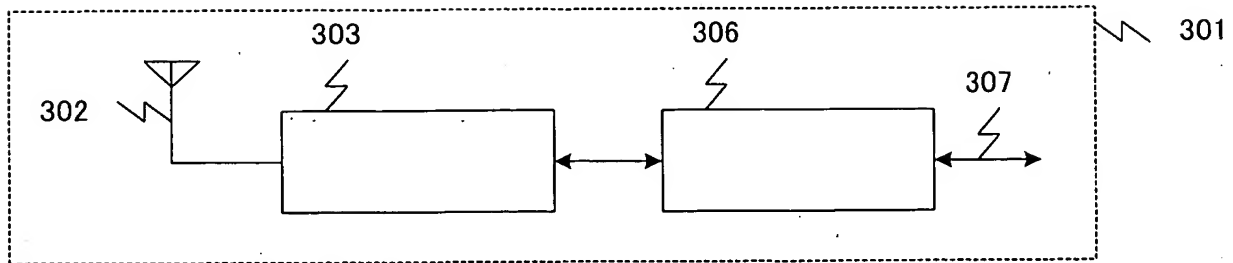


FIG. 2

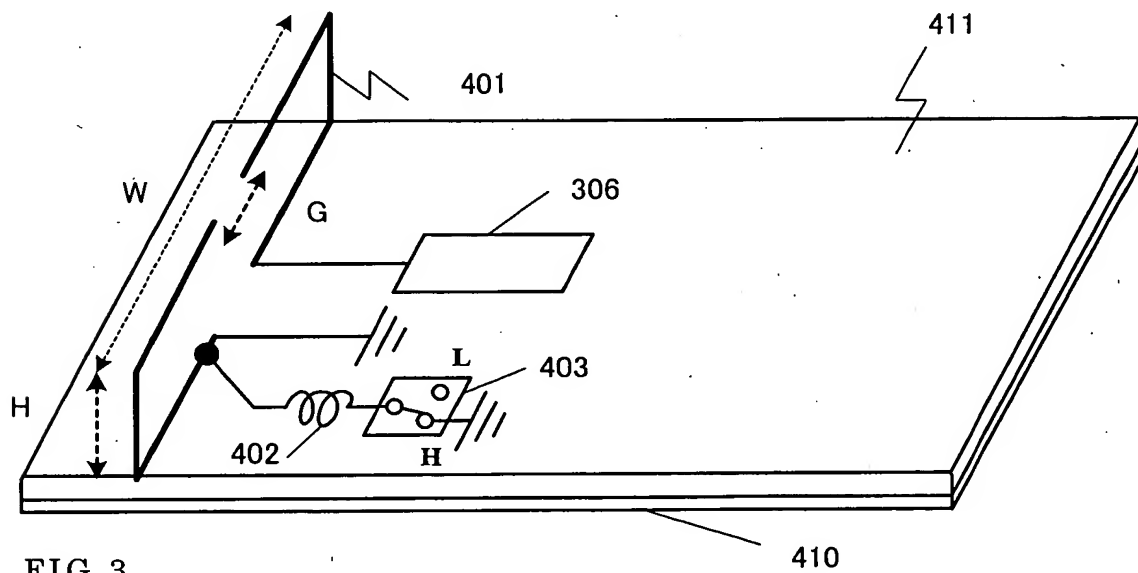
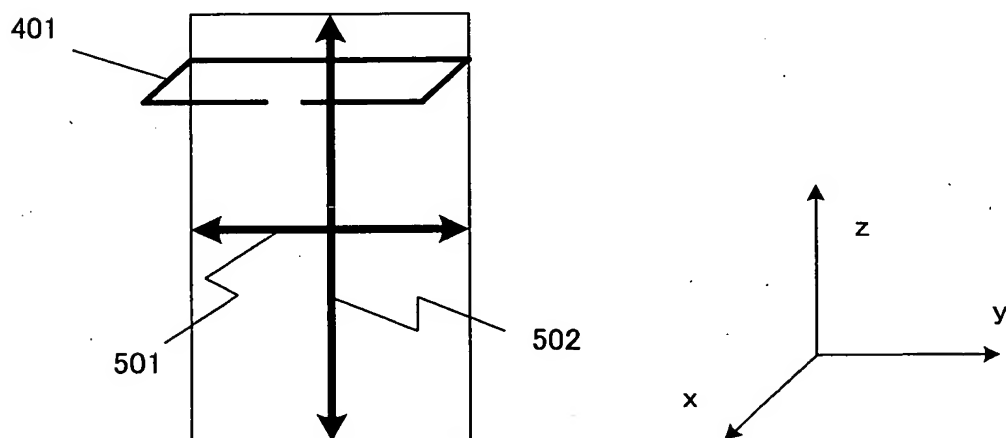


FIG. 3



2/17

FIG. 4

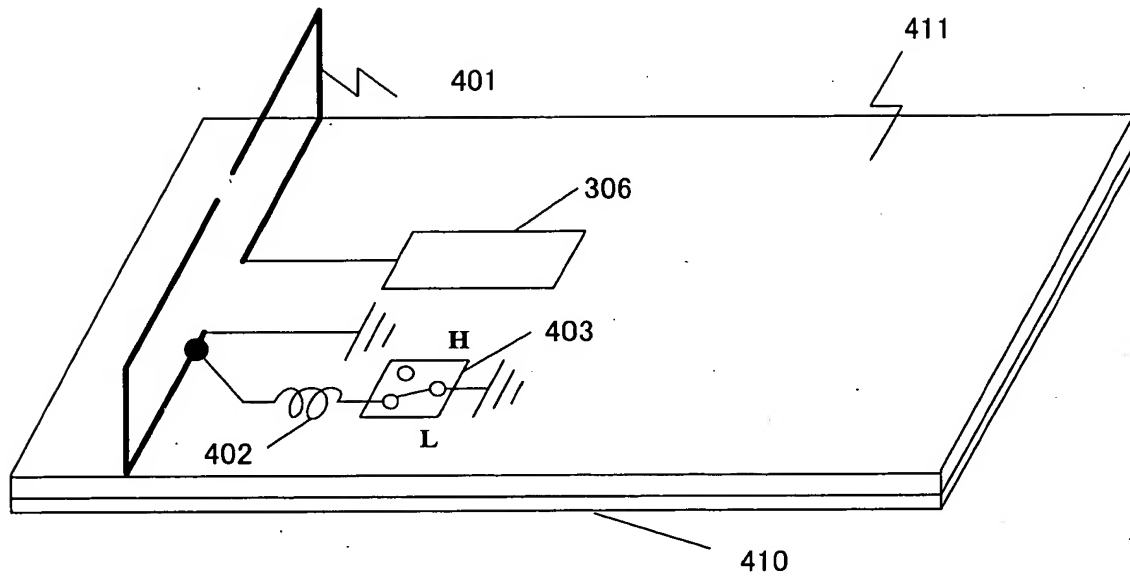
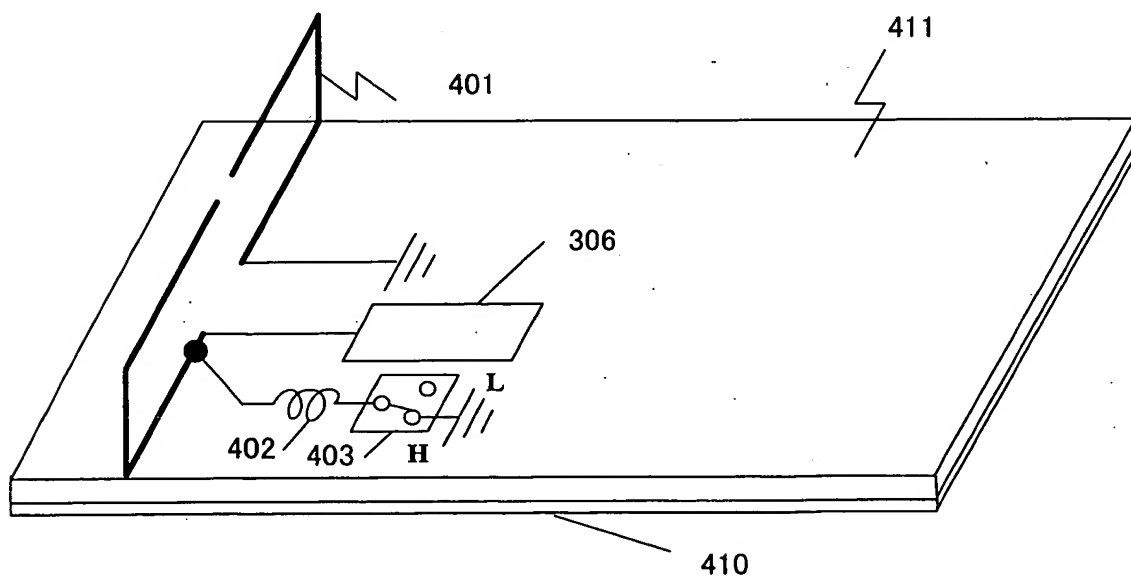
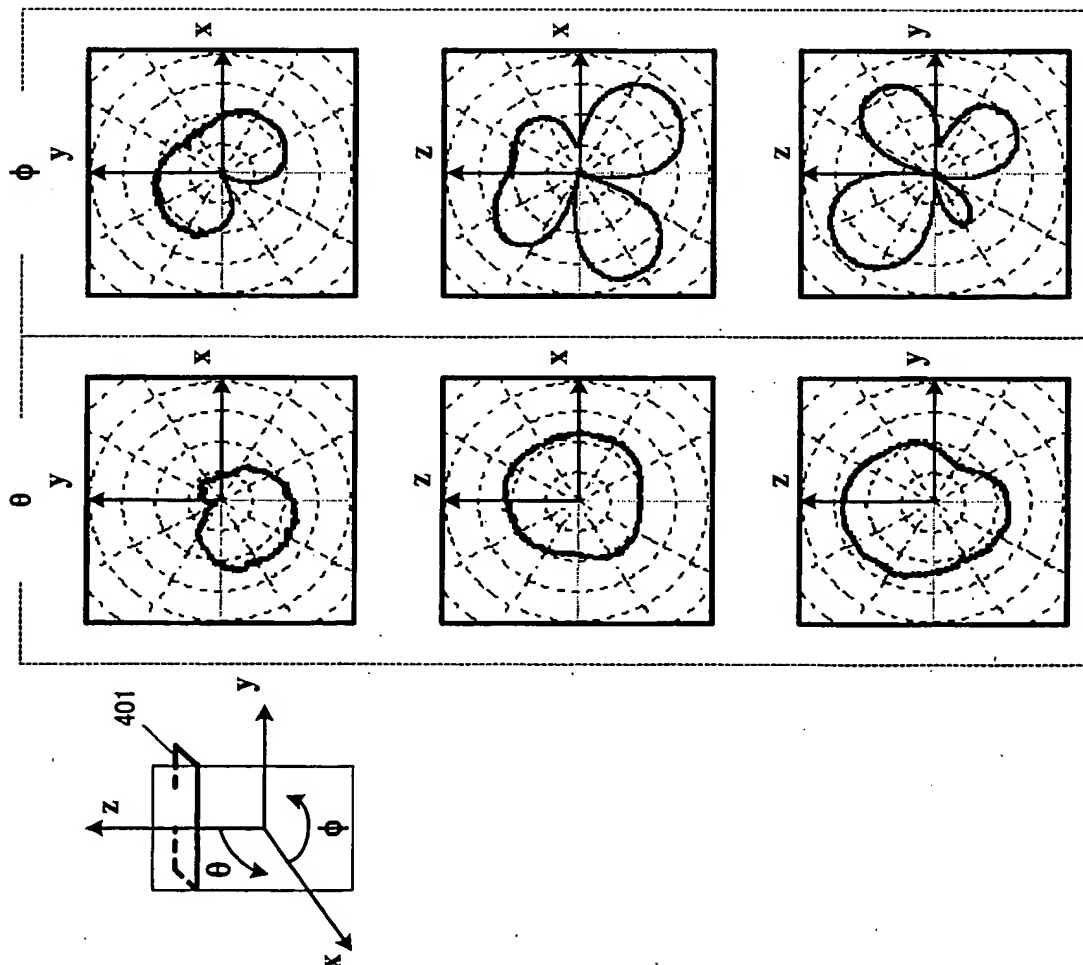


FIG. 5



3/17

FIG. 6



4/17

FIG. 7

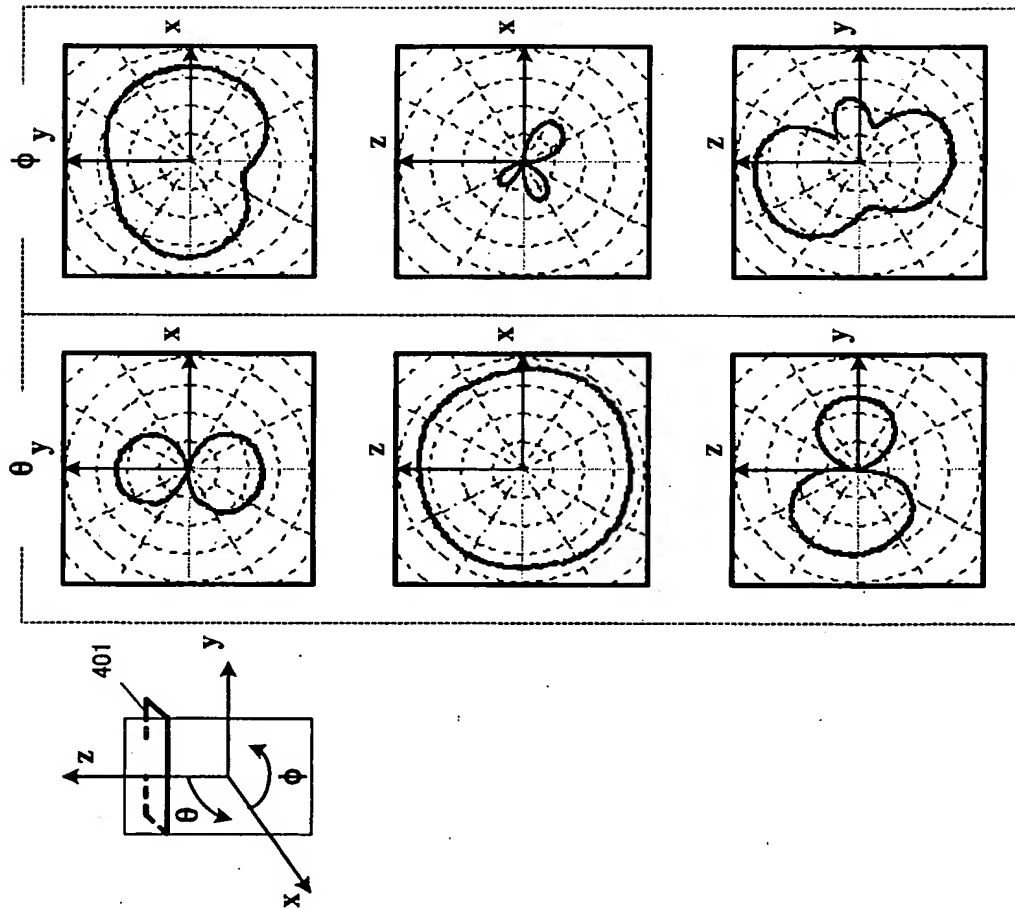
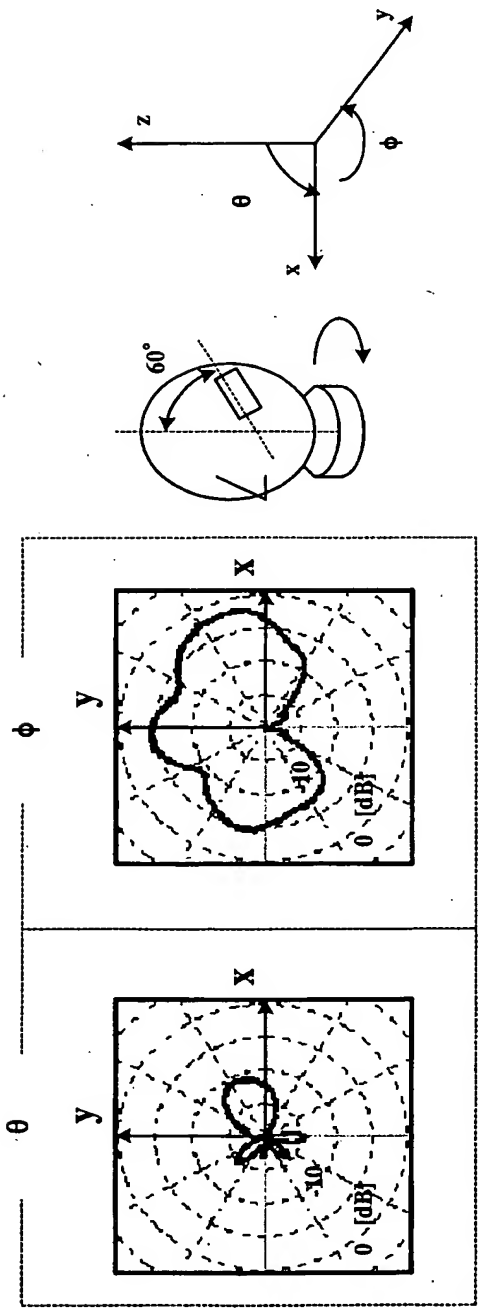
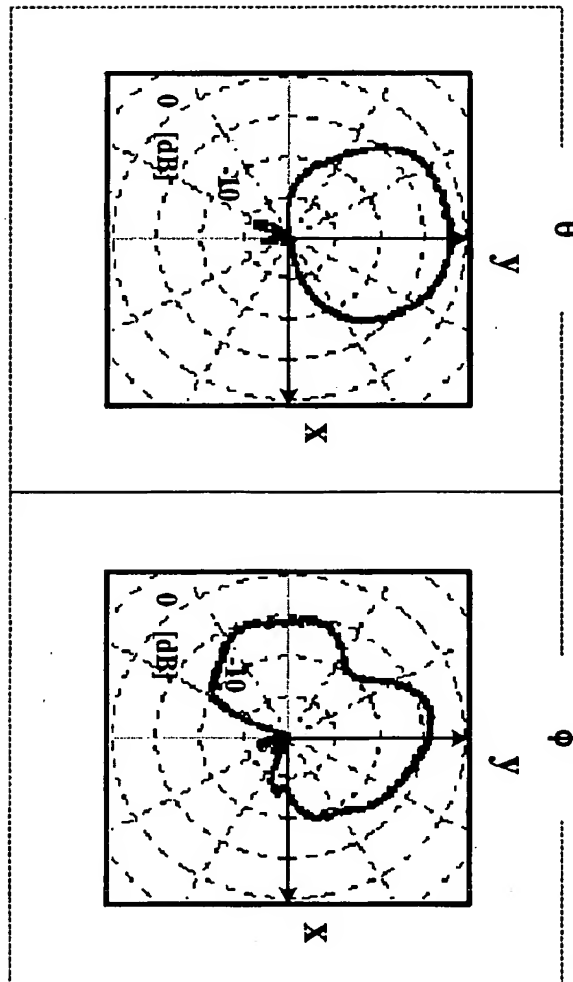


FIG. 8



6/17

FIG.9



7/17

FIG.10

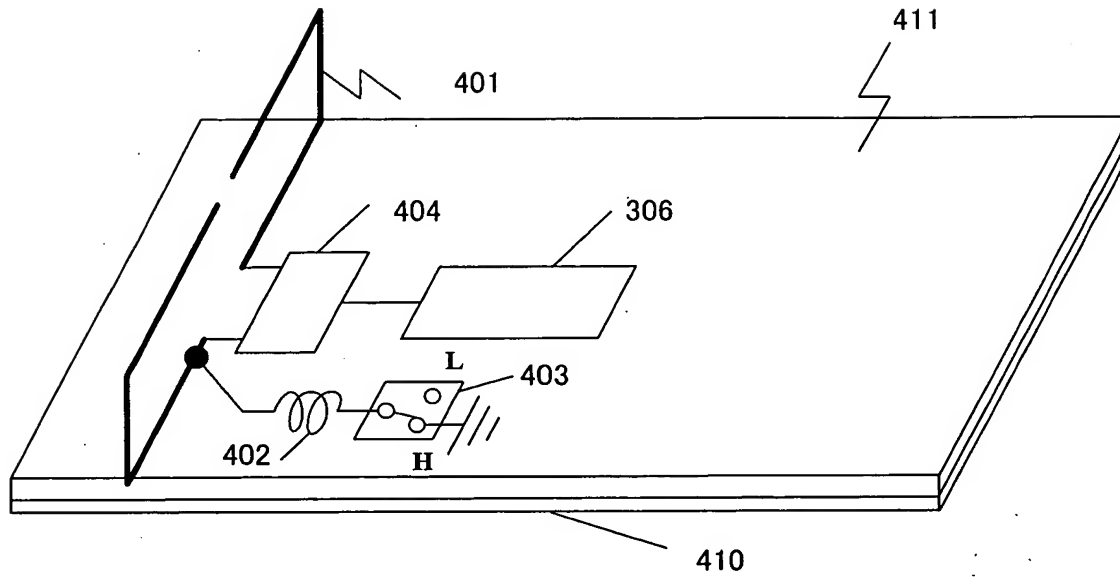
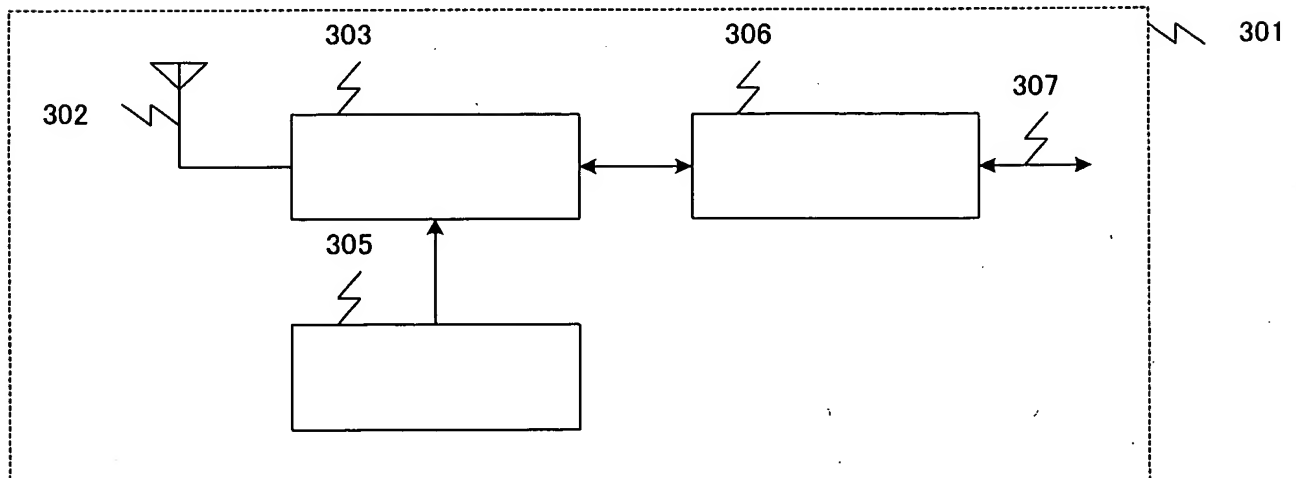


FIG.11



8/17

FIG.12A

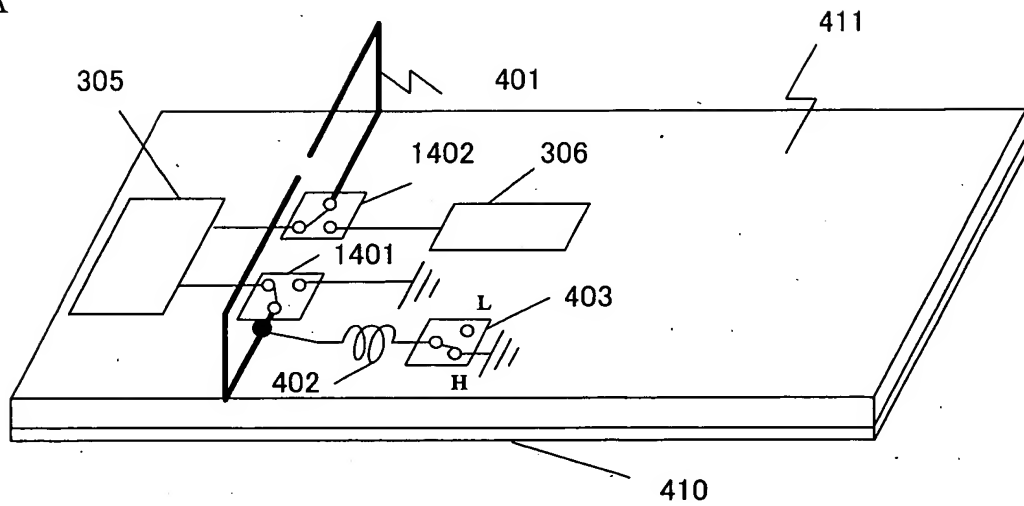


FIG.12B

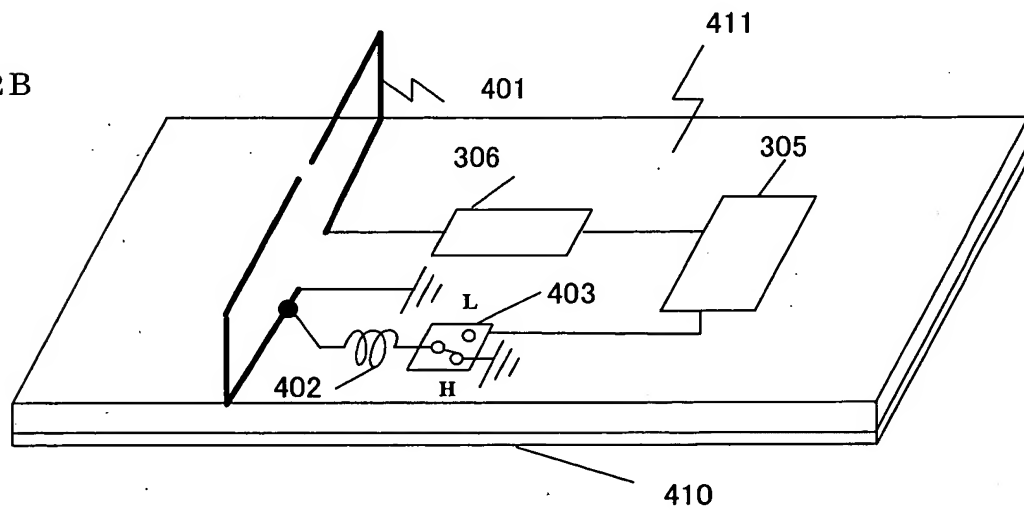
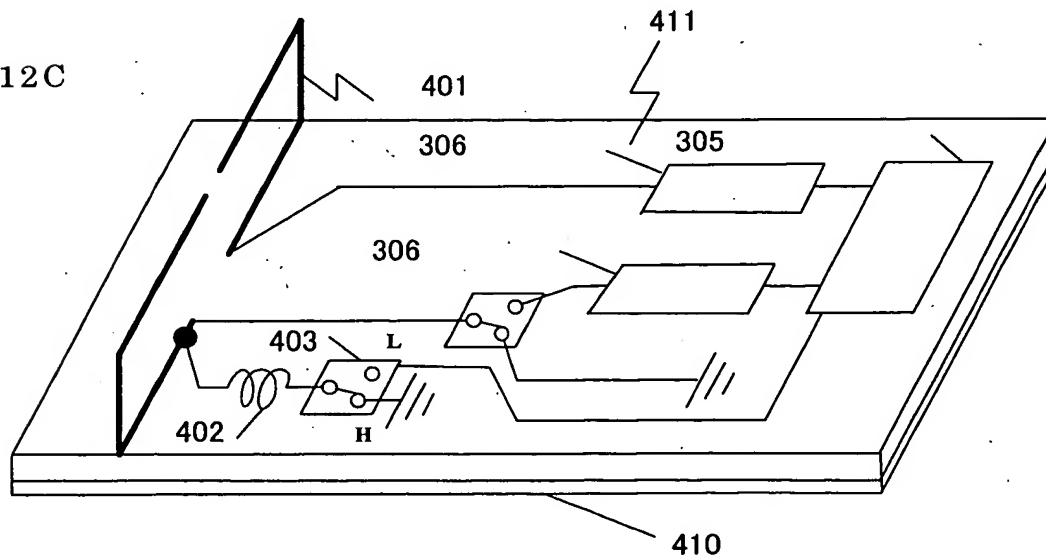


FIG.12C



9/17

FIG. 13

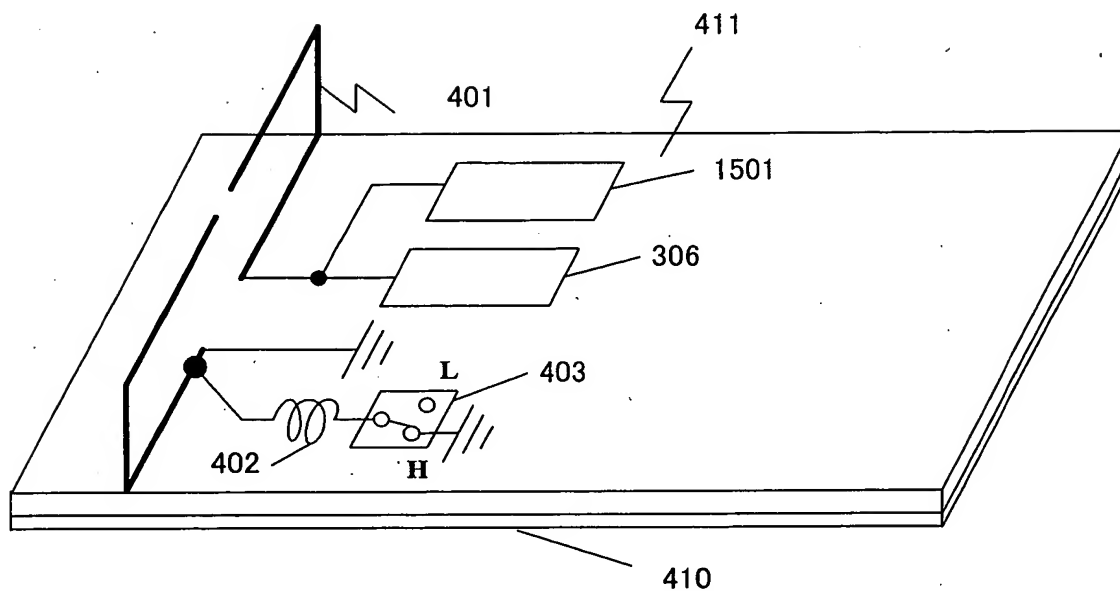
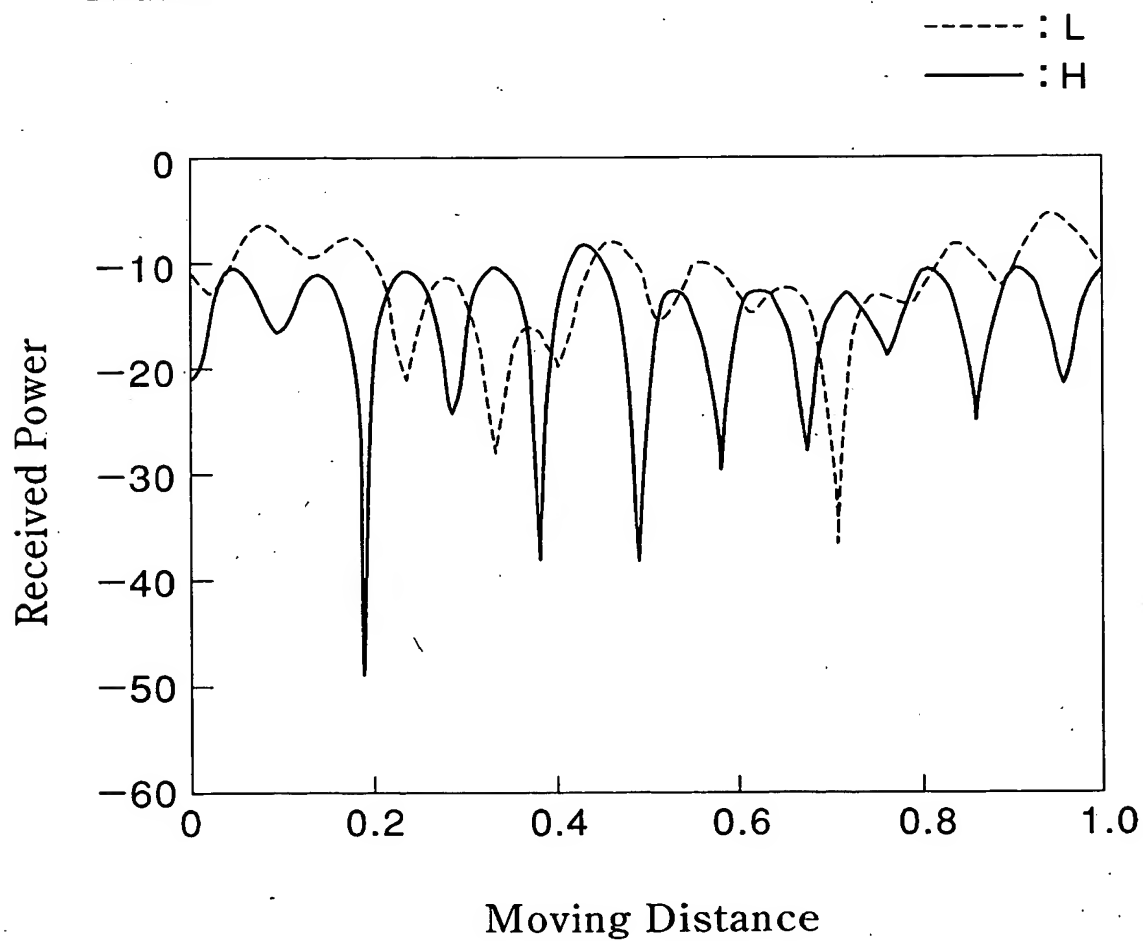


FIG. 14



10/17

FIG. 15

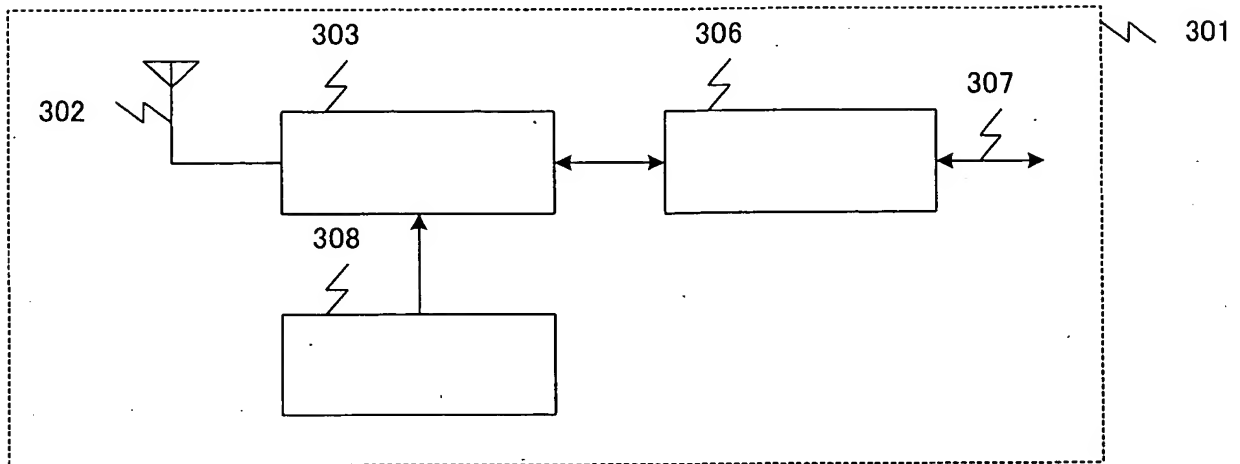


FIG. 16

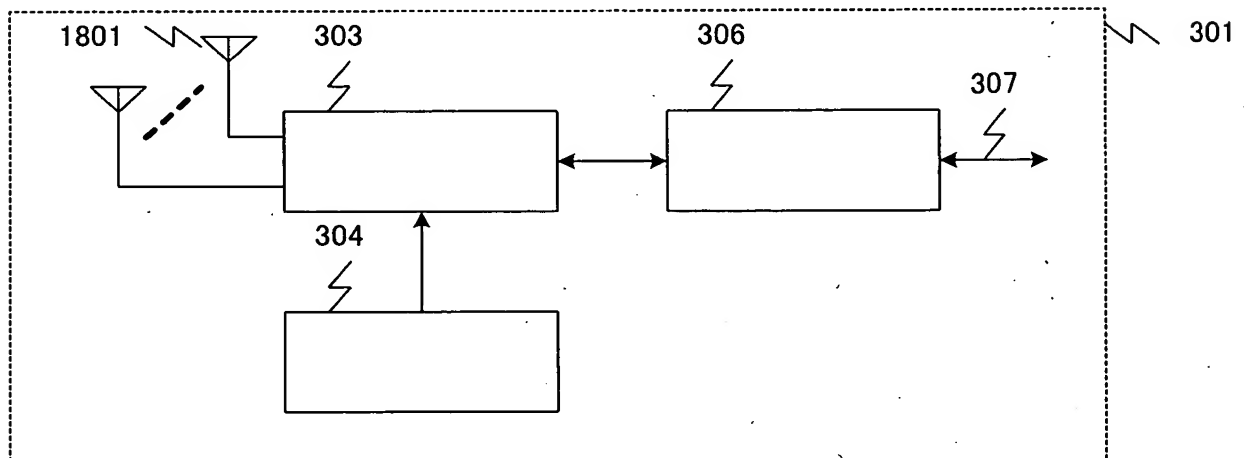
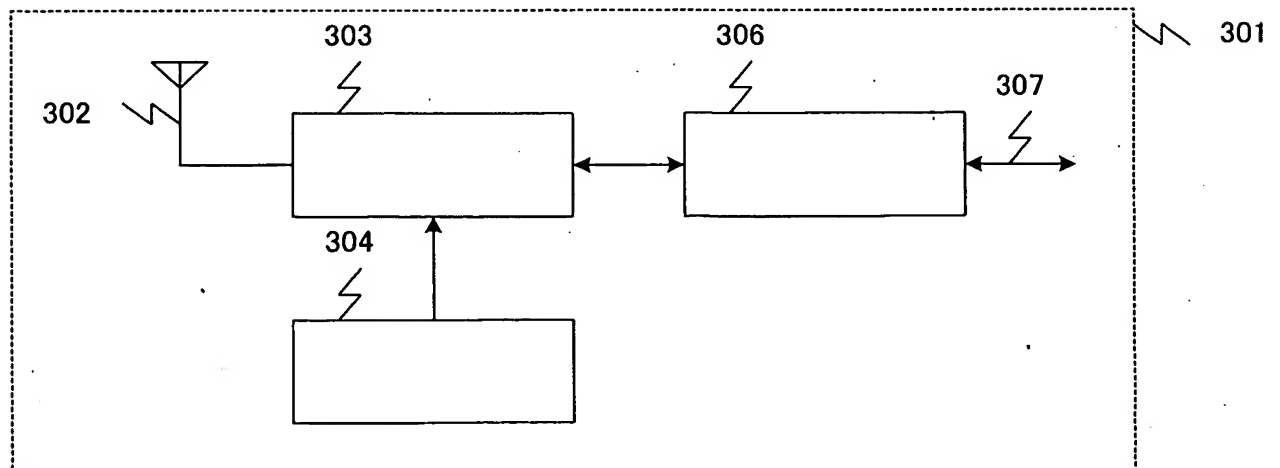


FIG. 17



11/17

FIG. 18

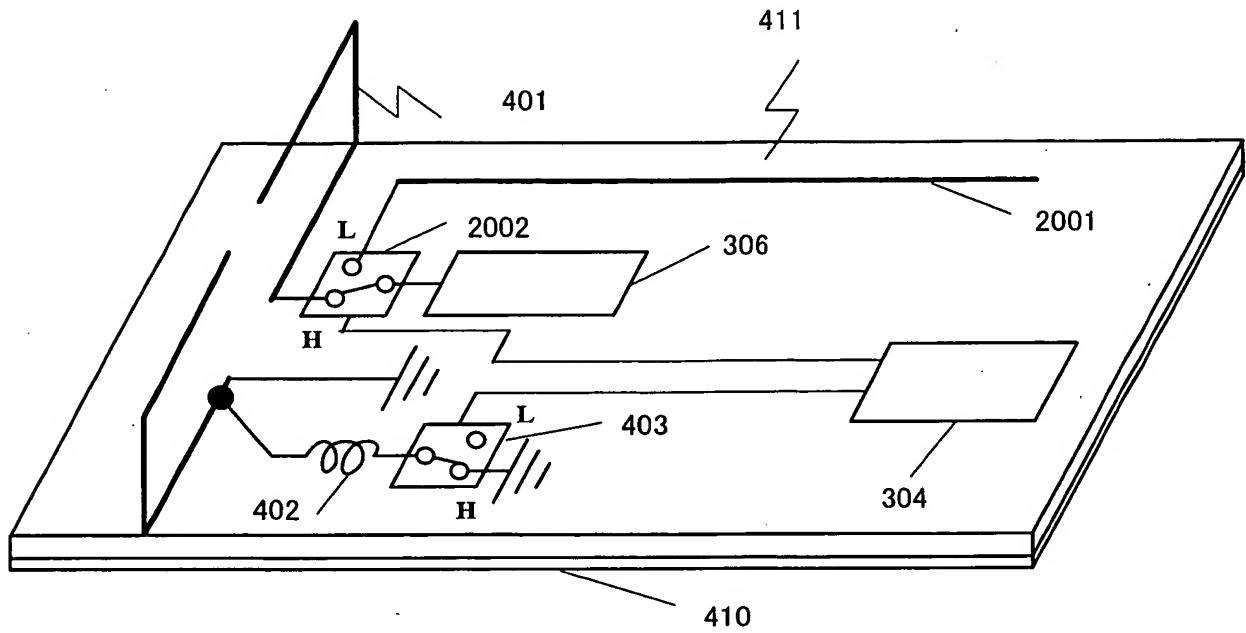
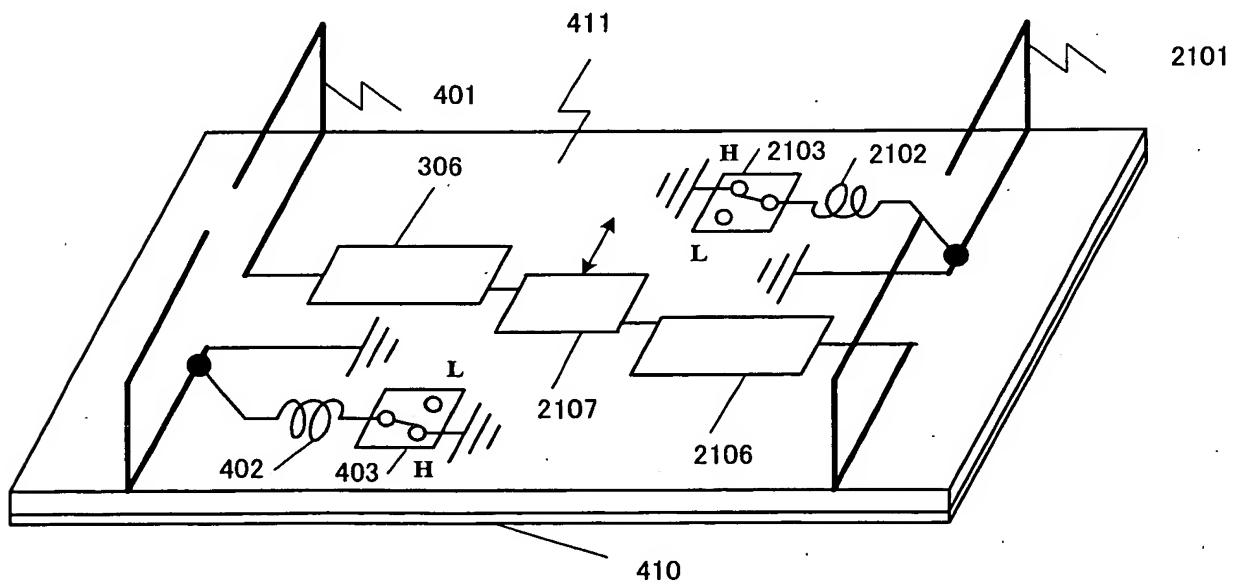


FIG. 19



12/17

FIG.20

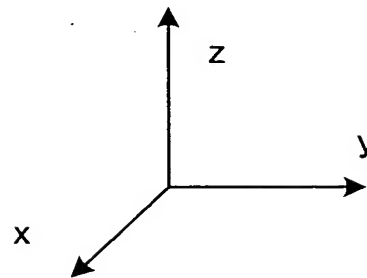
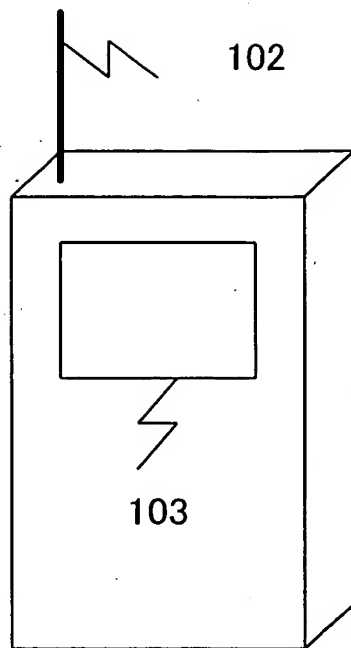
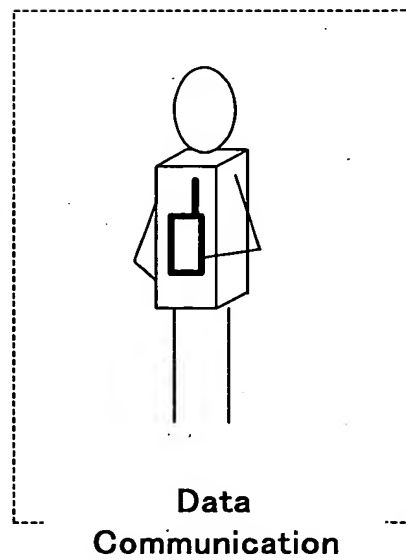
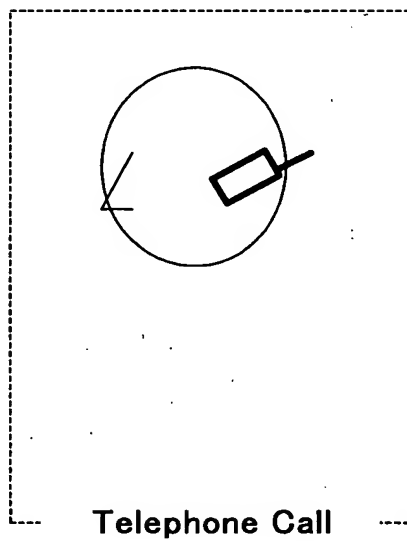
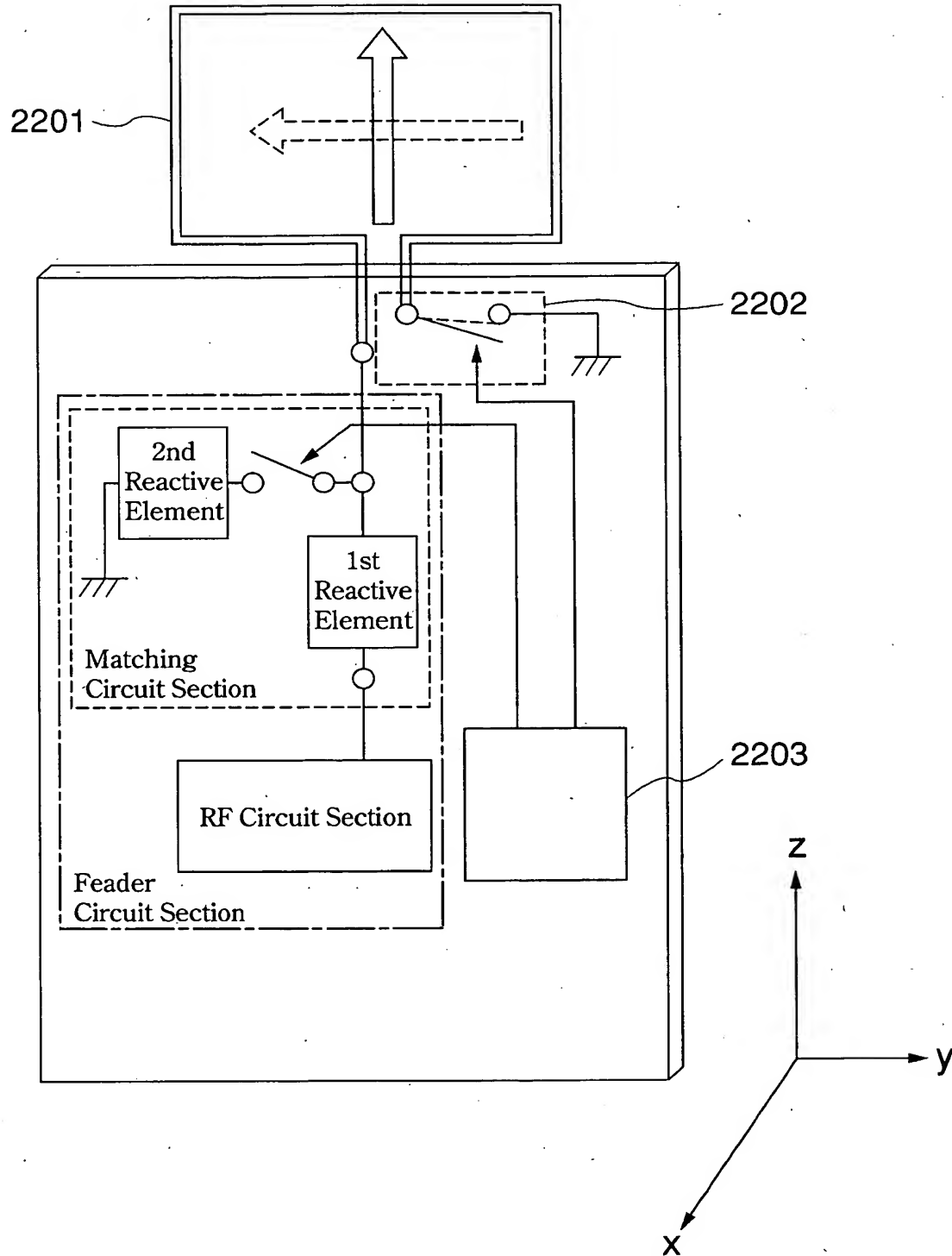


FIG.21



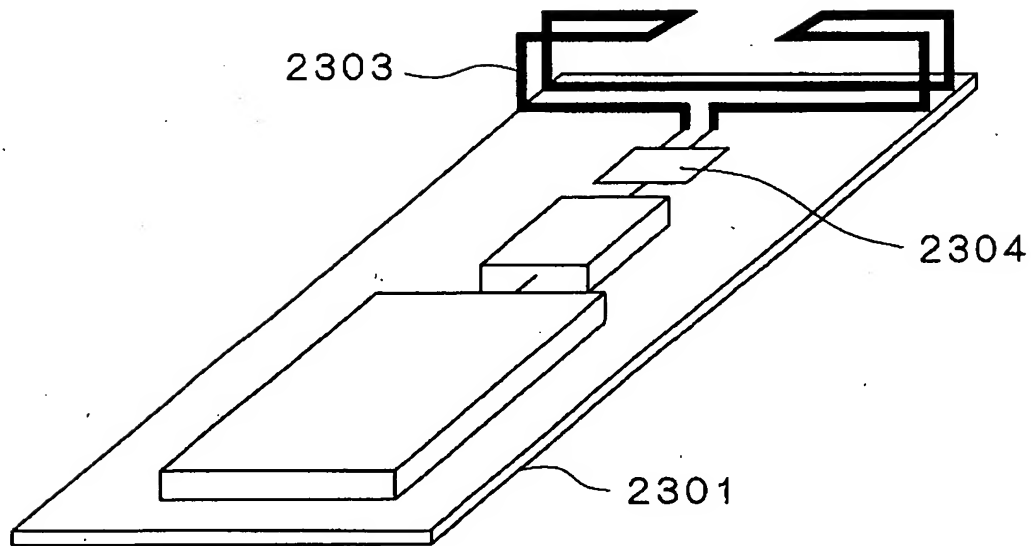
13/17

FIG.22



14/17

FIG.23



15/17

FIG. 24B

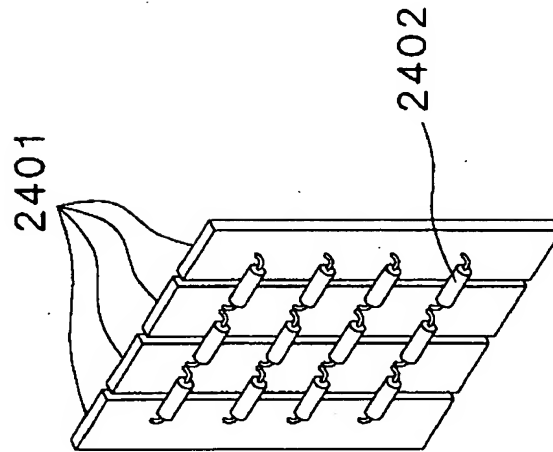
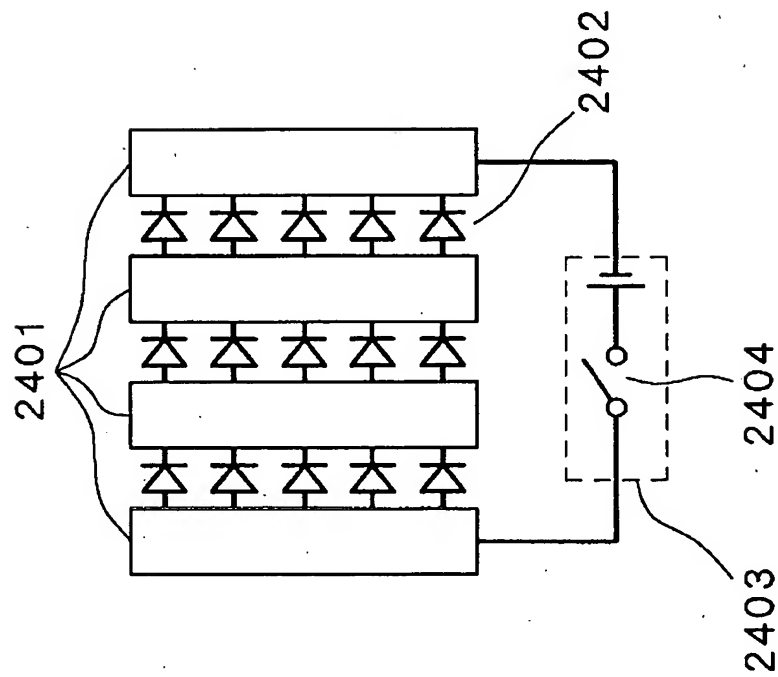


FIG. 24A



16/17

LIST OF DRAWING REFERENCE NUMBERS

102 whip antenna
103 planar inverted F antenna
301 radio terminal device
302 antenna element
303 antenna characteristic switching section
304 operating pattern estimator
305 propagation pattern estimating section
306 RF circuit section
308 tilt detector
401 antenna element
402 coil
403 switch
404 balanced/unbalanced converter
410 conductive substrate
411 substrate
1401 switch
1402 switch
1501 receiving power determination section
1801 antenna element
2001 antenna element
2002 switch
2101 antenna element
2102 coil
2103 switch
2106 RF circuit section
2107 splitter

17/17

2201 antenna element
2202 conversion switch
2203 conversion control circuit section
2301 radio substrate
2303 loop antenna element
2304 phase circuit
2401 metal plate
2402 diode
2403 bias control circuit
2404 switch